IN THE CLAIMS:

1	1 26. (Cancelled)
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1 27. (Previously Presented) An optical disc comprising:

a plurality of title groups of audio and video information and control information

which permit a reproduction unit to vary the sequence of reproduction of the video and audio

4 information;

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at least one of the title groups of audio and video information include route

information which provide a fixed order of reproduction;

at least another of the title groups of audio and video information include branch

information which can enable a variable order of reproduction; and

9 reproduction information for indicating the status of each of the title groups

including one of a fixed order of reproduction and a variable order of reproduction whereby the

reproduction unit can immediately determine from the reproduction information whether the

sequence of reproduction for a title group can be varied without searching through the entire

audio and video information of the title group.

1 28. (Previously Presented) The optical disc of Claim 27, wherein the fixed order of

reproduction can be determined by a combination of flag values including a first flag that

indicates the title group can be reproduced from a single piece of route information and a second

4 flag that indicates that route information does not include branch information.

1	29.	(Previously Presented) A disc reproduction apparatus and optical disc system, the	
2	optical disc comprising:		
3		a title area with a plurality of video titles and a manager area, each video title	
4	includes route	e information and a plurality of pieces of video information retrieved according to	
5	the route info	ormation, the manager area includes an address management information area for	
6	storing a plu	rality of pieces of address management information, each of which includes an	
7	address of on	e of the plurality of video titles; and	
8		reproduction information for indicating a status of each of the video titles relative	
9	to enabling a variable sequence of reproduction by the disc reproduction apparatus; and		
0		the disc reproduction apparatus comprising:	
11		an optical disc pickup for optically reading data from the optical disc;	
12		a drive mechanism for driving the optical pickup;	
13		first controlling means for controlling the drive mechanism to have the optical	
14	pickup read data from the manager area;		
15	•	a manager buffer for storing the data read by the first controlling means;	
16		receiving means for receiving a video title selected by an operator to be	
17	reproduced;		
18		calculating means for calculating an address of the video title selected by the	
19	operator by referring to the manager buffer;		
20		second controlling means for controlling the drive mechanism to move the optical	
21	pickup and to have the video title read from a position specified by the address calculated by th		
22	calculating means;		

23	judging means for judging whether a variable sequence of reproduction can be		
24	executed in the video title read by the second controlling means by referring to the reproduction		
25	information corresponding to the video title; and		
26	a user executing means for executing a user selected variable reproduction		
27	sequence of the pieces of video information only when the judging means judges that such a user		
28	selection can be used in the video title.		
1	30. (Currently Amended) An optical disc for use in a device that performs audio-		
2	visual functions, the optical disc comprising:		
3	a plurality of pieces of information representing a plurality of titles;		
4	route information defining a reproduction route by specifying at least one		
5	reproductive order of the plurality of pieces of image video information; and		
6	a plurality of pieces of information representing a plurality of titles, each of which		
7	is defined by one or more pieces of route information, wherein if a branch between pieces of		
8	route information is possible, the branch inhibits a performance of the audio-visual functions;		
9	<u>and</u>		
10	disc reproduction information including branch status information indicating for		
11	each title whether a branch during its reproduction is possible.		
1	31. (Previously Presented) The optical disc of Claim 30, wherein the plurality of		
2	pieces of information include:		
3	command regions storing commands;		
4	the commands stored in the command regions form part of the route information;		

5	the commands include a command that shows at least one piece of image		
6	information that is allowed to branch during reproduction; and		
7	the disc reproduction information indicates that a reproduction route defined by		
8	the route information is a non-branch type if no commands that indicate pieces of image		
9	information that are allowed to branch are stored in the command regions.		
1	32. (Previously Presented) The optical disc of Claim 30, including:		
2	a control region for storing linking information and commands separately to the		
3	plurality of pieces of image information;		
4	the linking information being part of the route information and showing a piece of		
5	image information that is reproduced after each piece of image information;		
6	the commands being part of the route information controlling reproduction of the		
7	plurality of pieces of image information;		
8	including pieces of image information that are allowed to branch irrespective of		
9	pieces of image information shown by the linking information; and		
10	the disc reproduction information indicates that a reproduction route defined by		
11	the route information is a non-branch type if no commands that indicate pieces of image		
12	the second regions		
	33. (Previously Presented) The optical disc of Claim 30, wherein each piece of		
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2	information includes:		
3	a series of video objects;		
4	the route information includes:		

5	at least one piece of program chain (PGC) information that shows a reproduction
6	order for certain video objects;
7	position information showing positions on the optical disc of the video objects
8	shown by each piece of PGC information;
9	PGC linking information showing how pieces of PGC information are linked
0	together;
11	a command table showing three pieces of PGC information that branch during
12	reproduction to other pieces of PGC information that are different from the PGC information
13	provided in the PGC linking information; and
14	the disc reproduction information indicates whether a reproduction route defined
15	by the route information is a first type that is expressed by a single piece of PGC information or
16	a second type that is expressed by a plurality of pieces of PGC information.
1	34. (Previously Presented) The optical disc of Claim 30, wherein the disc
2	reproduction information is formatted for storage in a disc reproduction device when the optical
3	disc is initially loaded into the disc reproduction device and includes:
4	menu information for displaying to a user the plurality of titles in a menu format;
5	and
6	indicator information for indicating for each title whether a branch during
7	reproduction is possible.

1	35.	(Previously Presented) A reproduction apparatus for reproducing the optical disc	
2	of Claim 30, comprising:		
3		reading means for reading a piece of image information, route information, and	
4	disc reprodu	action information from the optical disc and reproducing the piece of image	
5	information;		
6		a controller for controlling the reading means; and	
7		a memory for storing available function information showing types of	
8	reproduction	routes for which execution of certain functions is allowed, based on performance of	
9	the reproduc	tion apparatus, wherein the controller:	
10		has the reading means read the image information, the route information, and the	
11	disc reprodu	ction information from the optical disc;	
12		has the reading means read and reproduce the image information in accordance	
13	with the read route information; and		
14		judges, when there is a request to execute one of the certain functions, whether	
15	execution of the requested function is allowed, based on the read disc reproduction information		
16	and the avai	lable function information in the memory.	
1	36.	(Previously Presented) The reproduction apparatus of Claim 35 wherein the	
2	certain func	tions include:	
3		a search reproduction function that has reproduction commenced from a specified	
4	position wit	thin a piece of image information.	

- 1 37. (Previously Presented) The reproduction apparatus of Claim 35 further
- 2 comprising:
- a feedback means that displays an index number of image information during
- 4 reproduction of the image information, wherein the certain functions include a feedback function
- 5 that displays the index number.